

**STATE OF WASHINGTON
DEPARTMENT OF FISH & WILDLIFE
LANDS AND RESTORATION SERVICES PROGRAM
Salmonid Screening, Habitat Enhancement &
Restoration Division (SSHEAR)**

OFF-CHANNEL SITE INVENTORY DATA

General Information:

Region: North Coast	Observer(s): Powell
River System: Sol Duc	Date: 5/12/98
Site Identifier: S-0322	WRIA: 20.0322
River Mile Location: 4 mi (hip chained)	RB/LB: RB
Local Name: Upper Creek	Trib. to: Bockman Cr (20.0320)
Legal Description: SE¼ Sec08 T29N R12W	County: Clallam
Habitat Type: Lower valley wall tributary	
Landowner: (X) Federal () State () County () Other Government () Private - National Forest	

Directions to site:

Starting at Forks (Tillicum Park), drive north on Highway 101 for 11.4 miles (mp 203) to Mary Clark Road. Take a right on this road and follow for 1 mile and there will be a road to the right. Take a right on this road (FS 2902). Follow this road for 1.2 miles. The road to the left is the FS 2903. Follow FS 2903 for 2.85 miles. The culvert crossing is the upper reach of S-0322.

Site Overview:

This is a moderate gradient, headwater channel that flows through a heavily canopied forest. There are sections of gravel but large rubble is the predominant substrate. This channel has a natural bedrock fall near its egress which is a barrier to anadromous fish. The USFS attempted to manipulate this fall in the mid 1980s for fish passage. High flows undermined or destroyed the placed structures. This channel would be limiting for coho due to flushing flows, and lack of rearing and spawning habitat. This stream is more characteristically a cutthroat stream.

Habitat Information:

Water source: Terrace runoff

Intermittent/year-around:

- Year around

Estimated flows (cfs): >3

Water temperatures: 8.5° C

Adjacent stream temperature: 8.5° C (20.0320)

Other water observations:

Site area measurements: () Indirect (X) Direct () Combination

Widths: Channel- 2 m - 3 m Ponds- NA Wetlands- NA

Depths: Channel- 7 cm - 25 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 900+ m (salmonid habitat above end point)

Total existing habitat area (est.): 2250+ m²

Spawning area: 560 m²

Impounded area: 0

Other rearing area: 1690 m²

Spawning Habitat conditions: ☐ None ☒ Poor ☐ Fair ☐ Good ☐ Excellent

Describe spawning habitat:

- The channel has some gravel patches amongst the rubble and boulders.
- Spawning habitat is more conducive to resident trout.

Rearing habitat conditions: ☐ None ☒ Poor ☐ Fair ☐ Good ☐ Excellent

Describe pond and other rearing habitat:

- The channel has a dense canopy of conifer and alder.
- The banks have brush.
- There is cover of LOD and overhang.
- This channel experiences flushing flows.
- This channel is more characteristically a cutthroat stream.

Describe unaccessible habitat:

- This stream is unaccessible to anadromous fish due to the natural bedrock fall at the egress.

Describe wetland: ☐ Bog ☐ Marsh ☐ Scrub-shrub Wetland ☐ Forested Wetland

Flooding potential: ☒ Low ☐ Medium ☐ High

Fish Information:

Site entry condition to (20.0320): ☒ Poor ☐ Fair ☐ Good

- Bedrock fall

Coho access and use:

Juvenile- ☐ Unknown ☒ None ☐ Poor ☐ Fair ☐ Good

Adult- ☐ Unknown ☒ None ☐ Poor ☐ Fair ☐ Good

- There is an anadromous blockage (bedrock fall) at the egress.

Other species access and use: ☐ Chum ☐ Pink ☐ Sockeye ☐ Chinook ☒ Trout

- Observed trout during the survey

Habitat Improvements:

Enhancement opportunities:

- None

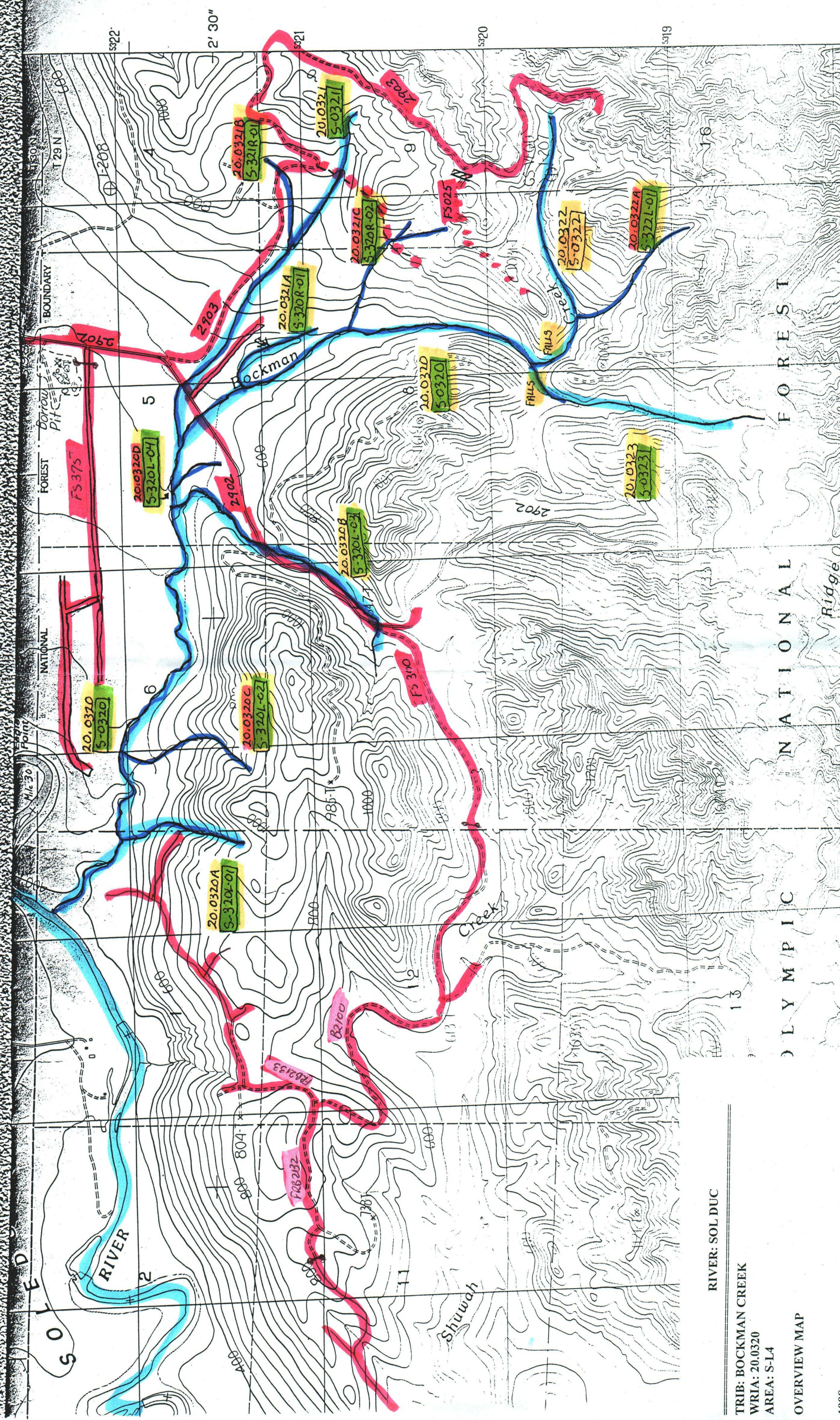
Additional Comments:

- The USFS manipulated the bedrock fall in the mid 1980s but it failed to maintain its ability to provide anadromous access.
- The USFS has written an extensive stream survey report (1994) on this channel from the egress to the FS2903 road culverts.

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

<input checked="" type="checkbox"/> Aerials	<input checked="" type="checkbox"/> Sketch	<input checked="" type="checkbox"/> Maps	<input checked="" type="checkbox"/> Culvert Report
<input checked="" type="checkbox"/> Other references	<input type="checkbox"/> Spawning surveys	<input type="checkbox"/> Juvenile trapping	<input type="checkbox"/> Fishway Report



RIVER: SOL DUC

TRIB: BOCKMAN CREEK

WRIA: 20.0320

AREA: S-L4

OVERVIEW MAP

OLYMPIC

NATIONAL

FOREST

RIVER: SOL DUC RIVER

AREA: S-L4

AREA MAP

9/96

